

## Specifications:

Gene:	hCD9
Accession:	NP_001760
Insert size:	699bp
Package size:	10µg at 0.2µg/µL

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

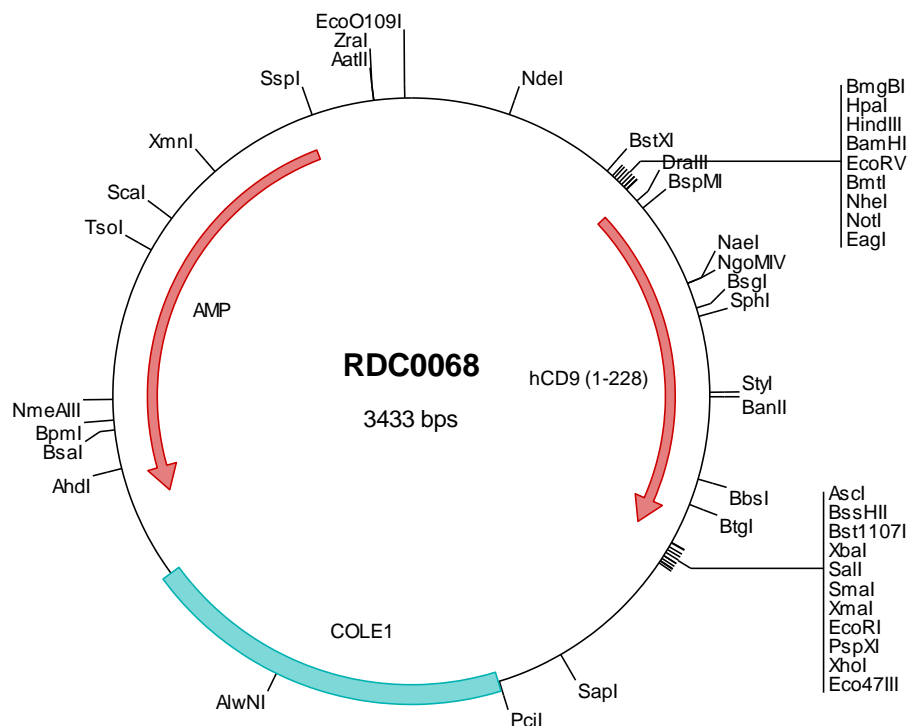
## hCD9 cDNA Plasmid

CD9 CD9 molecule  
[ *Homo sapiens* ]

**Also known as:** MIC3; MRP-1;  
BTCC-1; DRAP-27; TSPAN29

### Summary:

CD9, also known as motility-related protein-1 (MRP-1), is a tetraspan family glycoprotein expressed by a variety of hematopoietic and epithelial cells. It forms homotypic associations as well as heterotypic associations with other tetraspan proteins, some integrins and MHC class II proteins. CD9 has been shown to modulate cellular adhesion, migration and proliferation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



### > RDC0068 Plasmid DNA Sequence

```

1   tcgcgcggtt  cggatgatgac  ggtgaaaacc  tetgacacat  gcagctcccg  gagacggtea  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcaggggcgc  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gttgaaata
201  ccgcacagat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aaggcgatc  ggtcgggccc  tcttcgctat
301  taagccagct  ggcgaaagg  ggatgtgctg  caaggcgatt  aagtgggta  acgcccgggt  tttccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccacc  atgcccgtca  aaggaggcac  caagtgcac  aaatacctgc  tgttcggatt
501  taactcaatc  ttctggcttg  ccgggattgc  tgccttggcc  attggactat  ggctccgatt  cgactctcag  accaagagca  tcttogagca  agaaaactaat
601  aataataatt  ccagcttcta  cacaggagtc  tatattctga  toggagccgg  ggcctcatg  atgctggtgg  gcttctggg  ctgctgccc  gctgtgcagg
701  agtcccagtg  catgctggga  ctgttcttgc  gcttctctt  ggtgatattc  gccattgaaa  tagctgccc  catctgggga  tattcccaca  aggatgaggt
801  gattaaggaa  gtccaggagt  tttacaagga  cacctacaac  aagctgaaaa  ccaaggatga  gccccagcgg  gaaacgctga  aagccatcca  ctatgcgttg
901  aactgotgtg  gtttggctgg  gggogtggaa  cagtttatct  cagacatctg  cccaagaag  gacgtactcg  aaacctcaac  cgtgaagtcc  tgcctgatg
1001  ccataaaga  ggtcttcgac  aataaattcc  acatcatcgg  cgcagtgggc  atcggcattg  cctgtgtcat  gatatttggc  atgatcttca  gtatgatctt
1101  gtgctgtgct  atccgcagga  acccgagat  ggtctagggc  gcgccagtat  actctagagt  cgacaccgg  ggaattcctc  gagcgtcgt  ctctagcttg
1201  gcgtaatcat  ggtcatagct  gtttctgtg  tgaattggt  atccgctcac  aattccacac  aacatcacg  cgggaagcat  aaagtgtaaa  gcctgggggtg
1301  cctaatagag  gagctaactc  acattaattg  cgttgcgctc  actgcccgt  ttccagtcgg  gaaacctgtc  gtgccagctg  cattaatgaa  tcggccaacg
1401  cgccggggaga  ggcggtttgc  gtattggcgc  ctctccgct  tcctcgctca  ctgactcgt  gcgctcgtc  gttcggctgc  ggcgagcgtt  atcagctcac
1501  tcaaaggcgg  taatacgggt  atccacagaa  tcaggggata  acgacagaaa  gaacatgtga  gcaaaaggcc  agcaaaaggc  caggaaacct  aaaaaggccg
1601  cgttgctggc  gtttttccat  aggctccgcc  cccctgacga  gcacacaaa  aatcgacgt  caagtacag  gtggcgaaac  ccgacaggac  tataaagata
1701  ccaggcgttt  cccoctggaa  gctccctcgt  gcgctctcct  gttccgacc  tgcctgttac  cggataacct  tccgcttcc  tccctcggg  aagcgtggcg
1801  ctttctcaat  gctcacgctg  taggtatctc  agttcgggtg  aggtcgttgc  ctccaagctg  ggctgtgtgc  acgaaccctc  cgttcagccc  gaccgctgcg
1901  cttatccgg  taactatcgt  cttgagtcca  acccgtaag  acacgactta  tcgccactgg  cagcagccac  tggtaacagg  attagcagag  cgaggtatgt
2001  agggcgtgct  acagagtct  tgaagtggg  gcctaactac  ggctacacta  gaaggacagt  atttggtatc  tgcgctctgc  tgaagccagt  tacctcggga
2101  aaaagagttg  gtagctcttg  atccggcaaa  caaacaccgc  ctggtagcgg  tggtttttt  gtttgcaagc  agcagattac  gcgcagaaaa  aaagatctc
2201  aagaagatcc  tttgatcttt  tctacggggt  ctgacgtca  gtggaacgaa  aactcacgtt  aagggatttt  ggtcatgaga  ttatcaaaaa  ggatcttacc
2301  ctagatcctt  ttaaatataa  aatgaagtgt  taaatcaatc  taaagtatat  atgagtaaac  ttggctctgac  agttaccaat  gcttaatcag  tgaggcacct
2401  atctcagcga  tctgtctatt  tcgttcatcc  atagttgcct  gactcccctg  cgtgtagata  actacgatac  gggagggctt  accatctggc  cccagtgtcg
2501  caatgatacc  gcgagacca  cgtccaccgg  ctccagatt  atcagcaata  aaccagccag  ccggaaggcc  cgagcgcaga  agtggctctg  caactttatc
2601  cgcctccatc  cagctctatta  attggtccg  ggaagctaga  gtaagtgtt  cgccagttaa  tagtttgcc  aacgtttgtg  ccattgctac  aggcacgtg
2701  gtgtcacgct  cgtcgtttgg  tatggcttca  ttcagctccg  gttcccacg  atcaaggcga  gttacatgat  cccccatggt  gtgcacaaaa  gcggttagct
2801  ccttcggtcc  tccgatcgtt  gtcagaagta  agttggccgc  agtgttatca  ctcatggtta  tggcagcact  gcataattct  cttactgtca  tgccatccgt
2901  aagatgcttt  tctgtgactg  gtgagtactc  aaccaagtca  tcttgagaat  atgtgatcgc  gcgaccgagt  tgctcttggc  cggcgtcaat  acgggataat
3001  accgcgccac  atagcagaac  tttaaaagt  ctcatcattg  gaaaacgttc  tccggggcga  aaactctcaa  ggatcttacc  gctgttgaga  tccagttcga
3101  tgtaaccac  tcgtgcacc  aactgatctt  cagcatcttt  tactttcacc  agcgtttctg  ggtgagcaaa  aacaggaagg  caaaatgccg  caaaaagggt
3201  aataaggcgc  acacggaaat  gttgaatact  catactcttc  ctttttcaat  attattgaag  catttatcag  ggttattgtc  tcatgacgg  atacatattt
3301  gaatgtattt  agaaaaataa  acaaatagg  gttccgcgca  catttccccg  aaaagtgcc  cctgacgtct  aagaaacct  tattatcatg  acattaacct
3401  ataaaaatag  gcgtatcacg  aggcctttc  gtc

```

### > RDC0068 Translated Insert Sequence

```

1   mpvkgtkci  kyllfgfnfi  fwlagiavla  iglwlrfdsq  tksifeqetn  nnnssfytg  yiligagalm  mlvgflgccg  avqesqcmll  lffgfllvif
101  aieiaaiiw  yshkdevike  vqefykdtyn  klktkdepqr  etlkaihyal  nccglagv  qfisdicpkk  dvlctftvks  cpdaikvefd  nkfhiiavg
201  iglavmifg  mifsmilcca  irrremv

```